

Abstract

WAVEGUIDE GRATING-BASED WAVELENGTH SELECTIVE SWITCH ACTUATED BY THERMAL MECHANISM

5 A wavelength selective switch is disclosed. The switch comprises an input waveguide for carrying an optical signal having a wavelength λ_i . Also included is an output waveguide having a Bragg grating adapted for coupling the wavelength λ_i into the output waveguide in a coupling zone. Finally, provided is a heater element that can selectively provide thermal energy to the coupling zone such that the Bragg grating does not couple the wavelength λ_i .